Claims

- 10.A plugging fluid for plugging a subterranean formation zone surrounding a drill hole consisting of an emulsion comprising:
- a) an oil phase containing:
 - i. an oil;
 - ii. an emulsifier; and
 - iii. 2.4-4 kg of cement per liter of oil; and
- b) an aqueous phase containing:
 - i. water; and
 - ii. 12-16 g of a polysaccharide per liter of
 water;

wherein the oil to water volume ratio ranges from 20:80 to 25:75.

- 11. The plugging fluid according to claim 10, further comprising a setting accelerator agent containing divalent or trivalent metal ions.
- 12. The plugging fluid according to claim 11, wherein said metal ions are Ca²⁺.
- 13. The plugging fluid of any of claims 10-12, further comprising a clay extender.
- 14.A plugging fluid comprising per cubic meter of fluid:
 - a. 133-166 liters of oil;
 - b. 6-12 liters of emulsifier;
 - c. 3-4 kg of polysaccharide;
 - d. 600-700 kg of cement;
 - e. 0-7kg of calcium hydroxide; and
 - f. 466-500 liters of water.
- 15. The plugging fluid of claim 14, further comprising a clay extender.

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- 16.A method for preparing a plugging fluid comprising the steps of:
- a) dissolving an emulsifier into oil;
- b1) adding cement to the oil to prepare a pre-mix; and
- c1) blending said pre-mix with water before pumping the plugging fluid into the well to form a pre-mix/water mixture.
 - 17. The method of claim 16, further comprising the steps of:
 - b2) adding a setting accelerator to the pre-mix; and
- c2) adding a polysaccharide to the pre-mix/water mixture.
 - 18.A method of sealing a lost circulation zone in a wellbore comprising the step of:
- 1) pumping a plugging fluid and initiating the gellation of the plugging fluid by shear forces, wherein said plugging fluid comprises:
 - a. an oil phase containing:
 - i. an oil;
 - ii. an emulsifier; and
 - iii. 2.4-4 kg of cement per liter of oil; and
 - b. an aqueous phase containing:
 - i. water; and
 - ii. 12-16 g of a polysaccharide per liter of
 water; and

wherein the oil to water volume ratio ranges from 20:80 to 25:75.

19. The method of claim 18, wherein said plugging fluid further comprises a setting accelerator agent containing divalent or trivalent metal ions.

- 20. The method of claim 18, wherein said metal ions are Ca^{2+} .
- 21. The method of any of claims 18-20, wherein said plugging fluid further comprises a clay extender.
- 22. The method of claim 18, wherein the shear forces are applied through at least one drill bit nozzle.
- 23. The method of claim 18, wherein the shear forces are applied to the plugging fluid prior pumping said fluid into the wellbore.